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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/734,850	12/11/2003	Toshiaki Murai	1018.1197101	1996	
28075	28075 7590 12/07/2004			EXAMINER	
	I, SEAGER & TUFTI	DAVIS, BRIAN J			
1221 NICOLLET AVENUE SUITE 800			ART UNIT	PAPER NUMBER	
MINNEAPOL	IS, MN 55403-2420	1621			

DATE MAILED: 12/07/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/734,850	MURAI ET AL.				
Office Action Summary	Examiner	Art Unit				
	Brian J. Davis	1621				
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	vith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mearned patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, however, may a reply within the statutory minimum of th riod will apply and will expire SIX (6) MC atute, cause the application to become A	reply be timely filed irty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133)				
Status						
1) Responsive to communication(s) filed on _	,					
2a) This action is FINAL . 2b) ⊠ T	his action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) ⊠ Claim(s) <u>1-10</u> is/are pending in the application 4a) Of the above claim(s) is/are without 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) <u>1-4 and 9</u> is/are rejected. 7) ⊠ Claim(s) <u>5-8,10</u> is/are objected to. 8) □ Claim(s) are subject to restriction and	drawn from consideration.					
Application Papers						
9) The specification is objected to by the Exam	iner.	-				
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to t	-	· •				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
Notice of References Cited (PTO-892)		Summary (PTO-413)				
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/OPAper No(s)/Mail Date 12/11/03. 		s)/Mail Date nformal Patent Application (PTO-152) 				

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DETAILED ACTION

Claim Objections

Claim 5 is objected to because of the following informalities: the grammar of the claim is nonstandard e.g. "...mixing thioformamide and an alkylating agent in a solvent to react the thioformamide and the alkylating agent...". The examiner respectfully suggests the sentence should more properly read: "...reacting thioformamide and an alkylating agent in a solvent...". Other instances in the claim are similar. Appropriate correction is required.

Additionally, because the R variables of structural formulas (2), (3) and (4) are only implicitly defined, the examiner respectfully suggests that they be instead *explicitly* defined - in order to obviate any possible ambiguities - with a phrase at the end of the claim, something along the lines of: "...where variables R¹, R², R³ and R⁴ of structural formulas (2), (3) and (4) are as defined previously in structural formula (1)." Appropriate correction is suggested.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. "Group comprising" is an improper Markush group. *Ex parte*

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Dotter, 12 USPQ 382 (POBA 1931). See also MPEP § 2111.03. The examiner respectfully suggests simply deleting the word "comprising" and substituting the preposition "of."

Claims 2-4 are also rejected under 35 USC 112, second paragraph, as claims which depend from indefinite claims are also indefinite. *Ex parte Cordova*, 10 USPQ 2d 1949, 1952 (PTO Bd. App. 1989).

Claim 9 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. It is unclear under what type of atmosphere the reaction is carried out e.g. an atmosphere of ambient air, an inert gas?

Allowable Subject Matter

The subject matter of all claims would be allowable once the above objections and 112 rejections have been overcome. Claims 6-8 and 10 are objected to as being dependent from a base claim that has been objected to. The following is a statement of reasons for the indication of allowable subject matter:

The closest prior art appears to be JP 2003-12613 A, cited by applicant in the IDS and discussed in the specification, which teaches compounds structurally related to those of the instant invention. The cited prior art neither teaches nor suggests the instant compounds, however. Nor would it have been obvious to one of ordinary skill in the art at the time of invention to modify the compounds of the prior art in order to arrive at those of the instant invention. There is no motivation to do so.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian J. Davis whose telephone number is 571-272-0638. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Johann Richter can be reached on 571-272-0646. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BRIAN DAVIS

Brian J. Davis December 2, 2004